

# Ultrastructure and Composition of the Nannochloropsis

Eukaryotic Cell

13, 1450-1464

DOI: 10.1128/ec.00183-14

Citation Report

#	ARTICLE	IF	CITATIONS
1	Transcriptional coordination of physiological responses in <i>Nannochloropsis oceanica</i> CCMP1779 under light/dark cycles. <i>Plant Journal</i> , 2015, 83, 1097-1113.	5.7	69
2	Quantitative Assessment of Microalgae Biomass and Lipid Stability Post-Cultivation. <i>Frontiers in Energy Research</i> , 2015, 3, .	2.3	7
3	Conversion of lipid-extracted <i>Nannochloropsis salina</i> biomass into fermentable sugars. <i>Algal Research</i> , 2015, 8, 145-152.	4.6	41
4	Algal biofuels in Canada: Status and potential. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 44, 620-642.	16.4	48
5	Cell disruption for microalgae biorefineries. <i>Biotechnology Advances</i> , 2015, 33, 243-260.	11.7	564
6	Microstructures and functional groups of <i>Nannochloropsis</i> sp. cells with arsenic adsorption and lipid accumulation. <i>Bioresource Technology</i> , 2015, 194, 305-311.	9.6	54
7	Optimization of a Nile Red method for rapid lipid determination in autotrophic, marine microalgae is species dependent. <i>Journal of Microbiological Methods</i> , 2015, 118, 152-158.	1.6	25
8	Eisosome Ultrastructure and Evolution in Fungi, Microalgae, and Lichens. <i>Eukaryotic Cell</i> , 2015, 14, 1017-1042.	3.4	45
9	Enzymatic cell disruption of microalgae biomass in biorefinery processes. <i>Biotechnology and Bioengineering</i> , 2015, 112, 1955-1966.	3.3	142
10	Optimization of bead milling parameters for the cell disruption of microalgae: Process modeling and application to <i>Porphyridium cruentum</i> and <i>Nannochloropsis oculata</i> . <i>Bioresource Technology</i> , 2015, 196, 339-346.	9.6	78
11	Physicochemical analysis of cellulose from microalgae <i>Nannochloropsis gaditana</i> . <i>African Journal of Biotechnology</i> , 2016, 15, 1201-1207.	0.6	15
12	Innovative Alternative Technologies to Extract Carotenoids from Microalgae and Seaweeds. <i>Marine Drugs</i> , 2016, 14, 214.	4.6	215
13	High pressure homogenization of <i>Nannochloropsis oculata</i> for the extraction of intracellular components: Effect of process conditions and culture age. <i>European Journal of Lipid Science and Technology</i> , 2016, 118, 631-639.	1.5	41
14	In vitro bioaccessibility of proteins and lipids of pH-shift processed <i>Nannochloropsis oculata</i> microalga. <i>Food and Function</i> , 2016, 7, 2016-2024.	4.6	41
15	Enhanced lipid recovery from <i>Nannochloropsis</i> microalgae by treatment with optimized cell wall degrading enzyme mixtures. <i>Bioresource Technology</i> , 2016, 212, 35-41.	9.6	46
16	Energy and Nutrients Recovery from Lipid-Extracted <i>Nannochloropsis</i> via Anaerobic Digestion and Hydrothermal Liquefaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 3133-3139.	6.7	19
17	Improved aqueous extraction of microalgal lipid by combined enzymatic and thermal lysis from wet biomass of <i>Nannochloropsis oceanica</i> . <i>Bioresource Technology</i> , 2016, 214, 138-143.	9.6	42
18	Optimization of enzyme-assisted lipid extraction from <i>Nannochloropsis</i> microalgae. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 67, 106-114.	5.3	70

#	ARTICLE	IF	CITATIONS
19	Screening and Improvement of Marine Microalgae for Oil Production. , 2016, , 91-112.		1
20	Biological pretreatments of microalgal biomass for gaseous biofuel production and the potential use of rumen microorganisms: A review. Algal Research, 2016, 18, 341-351.	4.6	57
21	Cell surface and cellular debris-associated heat-stable lipolytic enzyme activities of the marine alga <i>Nannochloropsis oceanica</i> . Biocatalysis and Biotransformation, 2016, 34, 24-32.	2.0	11
22	Efficiency and biotechnological aspects of biogas production from microalgal substrates. Journal of Biotechnology, 2016, 234, 7-26.	3.8	69
23	Nitrogen-induced metabolic changes and molecular determinants of carbon allocation in <i>Dunaliella tertiolecta</i> . Scientific Reports, 2016, 6, 37235.	3.3	61
24	LHCSR1 induces a fast and reversible pH-dependent fluorescence quenching in LHCII in <i>Chlamydomonas reinhardtii</i> cells. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 7673-7678.	7.1	81
25	A new approach of microalgal biomass pretreatment using deep eutectic solvents for enhanced lipid recovery for biodiesel production. Bioresource Technology, 2016, 218, 123-128.	9.6	109
26	Extraction of oil and carotenoids from pelletized microalgae using supercritical carbon dioxide. Journal of Supercritical Fluids, 2016, 116, 223-231.	3.2	42
27	The cell wall of autotrophic microalgae influences the enrichment of long chain omega-3 fatty acids in the egg. Algal Research, 2016, 16, 209-215.	4.6	11
28	Effects of anodic oxidation of a substoichiometric titanium dioxide reactive electrochemical membrane on algal cell destabilization and lipid extraction. Bioresource Technology, 2016, 203, 112-117.	9.6	37
29	The CIDES process: Fractionation of concentrated microalgal paste for co-production of biofuel, nutraceuticals, and high-grade protein feed. Algal Research, 2016, 19, 299-306.	4.6	47
30	Wet in situ transesterification of microalgae using ethyl acetate as a co-solvent and reactant. Bioresource Technology, 2017, 230, 8-14.	9.6	67
31	Biochemical properties of water soluble polysaccharides from photosynthetic marine microalgae Tetraselmis species. Macromolecular Research, 2017, 25, 172-179.	2.4	20
32	Pulsed Electric Field for protein release of the microalgae <i>Chlorella vulgaris</i> and <i>Neochloris oleoabundans</i> . Algal Research, 2017, 24, 181-187.	4.6	99
33	Energy consumption and water-soluble protein release by cell wall disruption of <i>Nannochloropsis gaditana</i> . Bioresource Technology, 2017, 239, 204-210.	9.6	86
34	Marine microalgae monosaccharide fluctuations as a stress response to nutrients inputs. Algal Research, 2017, 24, 340-346.	4.6	15
35	Effect of cell wall characteristics on algae nutrient digestibility in Nile tilapia ( <i>Oreochromis</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 102 Td	3.5	60
36	A biorefinery for <i>Nannochloropsis</i> : Induction, harvesting, and extraction of EPA-rich oil and high-value protein. Bioresource Technology, 2017, 244, 1416-1424.	9.6	116

#	ARTICLE	IF	CITATIONS
37	Cell disruption and lipid extraction for microalgal biorefineries: A review. <i>Bioresource Technology</i> , 2017, 244, 1317-1328.	9.6	255
38	From Current Algae Products to Future Biorefinery Practices: A Review. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2017, 166, 99-123.	1.1	37
39	Impact of culturing conditions on the abundance and composition of long chain alkyl diols in species of the genus <i>Nannochloropsis</i> . <i>Organic Geochemistry</i> , 2017, 108, 9-17.	1.8	15
40	Algaenan structure in the microalga <i>Nannochloropsis oculata</i> characterized from stepwise pyrolysis. <i>Organic Geochemistry</i> , 2017, 104, 1-7.	1.8	36
41	Micropaleontology of the lower Mesoproterozoic Roper Group, Australia, and implications for early eukaryotic evolution. <i>Journal of Paleontology</i> , 2017, 91, 199-229.	0.8	115
42	Time for Multiple Extraction Methods in Proteomics? A Comparison of Three Protein Extraction Methods in the Eustigmatophyte Alga <i>Microchloropsis gaditana</i> CCMP526. <i>OMICS A Journal of Integrative Biology</i> , 2017, 21, 678-683.	2.0	16
43	Selective removal of rotifers in microalgae cultivation using hydrodynamic cavitation. <i>Algal Research</i> , 2017, 28, 24-29.	4.6	29
44	Transcriptional Regulation of Cellulose Biosynthesis during the Early Phase of Nitrogen Deprivation in <i>Nannochloropsis salina</i> . <i>Scientific Reports</i> , 2017, 7, 5264.	3.3	32
45	Eustigmatophyceae. , 2017, , 367-406.		19
46	Kinetic modeling of azo dye adsorption on non-living cells of <i>Nannochloropsis oceanica</i> . <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 4121-4127.	6.7	44
47	Reconstruction and analysis of a genome-scale metabolic model of <i>Nannochloropsis gaditana</i> . <i>Algal Research</i> , 2017, 26, 354-364.	4.6	32
48	Development and characterization of hybrid corn starch-microalgae films: Effect of ultrasound pre-treatment on structural, barrier and mechanical performance. <i>Algal Research</i> , 2017, 28, 80-87.	4.6	36
49	Microalgal biomass as a (multi)functional ingredient in food products: Rheological properties of microalgal suspensions as affected by mechanical and thermal processing. <i>Algal Research</i> , 2017, 25, 452-463.	4.6	45
50	Comparison of Protein Extracts from Various Unicellular Green Sources. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 7989-8002.	5.2	47
51	Insoluble (1 $\rightarrow$ 3), (1 $\rightarrow$ 4)- $\beta$ -D-glucan is a component of cell walls in brown algae (Phaeophyceae) and is masked by alginates in tissues. <i>Scientific Reports</i> , 2017, 7, 2880.	3.3	64
52	Integrity of the microalgal cell plays a major role in the lipolytic stability during wet storage. <i>Algal Research</i> , 2017, 25, 516-524.	4.6	24
53	Biorefinery of microalgal soluble proteins by sequential processing and membrane filtration. <i>Bioresource Technology</i> , 2017, 225, 151-158.	9.6	84
54	Exergy-based screening of biocompatible solvents for in situ lipid extraction from <i>Chlorella vulgaris</i> . <i>Journal of Applied Phycology</i> , 2017, 29, 89-103.	2.8	8

#	ARTICLE	IF	CITATIONS
55	In vitro prediction of digestible protein content of marine microalgae ( <i>Nannochloropsis granulata</i> ) meals for Pacific white shrimp ( <i>Litopenaeus vannamei</i> ) and rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>Algal Research</i> , 2017, 21, 76-80.	4.6	43
56	Cell disruption technologies. , 2017, , 133-154.		42
57	Production of Fatty Acids and Protein by <i>Nannochloropsis</i> in Flat-Plate Photobioreactors. <i>PLoS ONE</i> , 2017, 12, e0170440.	2.5	89
58	Subcritical n-hexane/isopropanol extraction of lipid from wet microalgal pastes of <i>Scenedesmus obliquus</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2018, 34, 39.	3.6	13
59	Advanced genetic tools enable synthetic biology in the oleaginous microalgae <i>Nannochloropsis</i> sp.. <i>Plant Cell Reports</i> , 2018, 37, 1383-1399.	5.6	79
60	Edible Oil Production From Microalgae: A Review. <i>European Journal of Lipid Science and Technology</i> , 2018, 120, 1700428.	1.5	41
61	Green microalgae biomolecule separations and recovery. <i>Bioresources and Bioprocessing</i> , 2018, 5, .	4.2	88
62	Comparison of microalgal biomasses as functional food ingredients: Focus on the composition of cell wall related polysaccharides. <i>Algal Research</i> , 2018, 32, 150-161.	4.6	152
63	Effect of pulsed electric fields and high pressure homogenization on the aqueous extraction of intracellular compounds from the microalgae <i>Chlorella vulgaris</i> . <i>Algal Research</i> , 2018, 31, 60-69.	4.6	142
64	Optimization of enzymatic hydrolysis for effective lipid extraction from microalgae <i>Scenedesmus</i> sp.. <i>Renewable Energy</i> , 2018, 125, 1049-1057.	8.9	88
65	Optimized methods of chromatin immunoprecipitation for profiling histone modifications in industrial microalgae <i>Nannochloropsis</i> spp.. <i>Journal of Phycology</i> , 2018, 54, 358-367.	2.3	14
66	Temporal acclimation of <i>Microchloropsis gaditana</i> CCMP526 in response to hypersalinity. <i>Bioresource Technology</i> , 2018, 254, 23-30.	9.6	8
67	Influence of High Pressure Homogenization on Free Fatty Acid Formation in <i>Nannochloropsis</i> sp.. <i>European Journal of Lipid Science and Technology</i> , 2018, 120, 1700436.	1.5	16
68	Potential of microalga <i>Isochrysis galbana</i> : Bioactivity and bioaccessibility. <i>Algal Research</i> , 2018, 29, 242-248.	4.6	60
69	Electrorheological properties of algae dispersed suspension: New application of harmful algae. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 539, 354-363.	4.7	9
70	A novel predatory bacterium infecting the eukaryotic alga <i>Nannochloropsis</i> . <i>Algal Research</i> , 2018, 32, 314-320.	4.6	18
71	Application of poly(2-hydroxyethyl methacrylate) hydrogel disks for the immobilization of three different microalgal species. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 2887-2897.	3.2	6
72	Digestibility of the defatted microalgae <i>Nannochloropsis</i> sp. and <i>Desmodesmus</i> sp. when fed to Atlantic salmon, <i>Salmo salar</i> . <i>Aquaculture Nutrition</i> , 2018, 24, 56-64.	2.7	57

#	ARTICLE	IF	CITATIONS
73	Effect of an enzymatic treatment with cellulase and mannanase on the structural properties of <i>Nannochloropsis microalgae</i> . <i>Bioresource Technology</i> , 2018, 249, 592-598.	9.6	55
74	A new method to produce cellulose nanofibrils from microalgae and the measurement of their mechanical strength. <i>Carbohydrate Polymers</i> , 2018, 180, 276-285.	10.2	46
75	Structural effects of microalgae additives on the starch gelatinisation process. <i>Food Hydrocolloids</i> , 2018, 77, 257-269.	10.7	14
76	Multi-Product Microalgae Biorefineries: From Concept Towards Reality. <i>Trends in Biotechnology</i> , 2018, 36, 216-227.	9.3	188
77	Characterization of a newly isolated freshwater Eustigmatophyte alga capable of utilizing far-red light as its sole light source. <i>Photosynthesis Research</i> , 2018, 135, 177-189.	2.9	34
78	NiFe Oxide Nanocatalysts Grown on Carbonized Algal Cells for Enhanced Oxygen Evolution Reaction. <i>Journal of the Electrochemical Society</i> , 2018, 165, J3157-J3165.	2.9	2
79	Metagenomic analyses highlight the symbiotic association between the glacier stonefly <i>Andiperla willinki</i> and its bacterial gut community. <i>Environmental Microbiology</i> , 2018, 20, 4170-4183.	3.8	25
80	Epiplasts: Membrane Skeletons and Epiplastin Proteins in Euglenids, Glaucophytes, Cryptophytes, Ciliates, Dinoflagellates, and Apicomplexans. <i>MBio</i> , 2018, 9, .	4.1	23
81	Production of protein-rich extracts from disrupted microalgae cells: Impact of solvent treatment and lyophilization. <i>Algal Research</i> , 2018, 36, 67-76.	4.6	35
82	A quest for the biological sources of long chain alkyl diols in the western tropical North Atlantic Ocean. <i>Biogeosciences</i> , 2018, 15, 5951-5968.	3.3	30
83	Overcoming the cell wall recalcitrance of heterotrophic <i>Chlorella</i> to promote the efficiency of lipid extraction. <i>Journal of Cleaner Production</i> , 2018, 198, 1224-1231.	9.3	14
84	Detailed biochemical and morphologic characteristics of the green microalga <i>Neochloris oleoabundans</i> cell wall. <i>Algal Research</i> , 2018, 35, 152-159.	4.6	62
85	Steam Explosion and Vibrating Membrane Filtration to Improve the Processing Cost of Microalgae Cell Disruption and Fractionation. <i>Processes</i> , 2018, 6, 28.	2.8	20
86	Towards sustainable aquafeeds: Evaluating substitution of fishmeal with lipid-extracted microalgal co-product ( <i>Nannochloropsis oculata</i> ) in diets of juvenile Nile tilapia ( <i>Oreochromis niloticus</i> ). <i>PLoS ONE</i> , 2018, 13, e0201315.	2.5	72
87	Enhancing oil production and harvest by combining the marine alga <i>Nannochloropsis oceanica</i> and the oleaginous fungus <i>Mortierella elongata</i> . <i>Biotechnology for Biofuels</i> , 2018, 11, 174.	6.2	65
88	Unravelling the Mechanism of Chitosan-Driven Flocculation of Microalgae in Seawater as a Function of pH. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 11273-11279.	6.7	72
89	Cell Wall Structure of Coccoid Green Algae as an Important Trade-Off Between Biotic Interference Mechanisms and Multidimensional Cell Growth. <i>Frontiers in Microbiology</i> , 2018, 9, 719.	3.5	39
90	Hydrothermal Disintegration and Extraction of Different Microalgae Species. <i>Energies</i> , 2018, 11, 450.	3.1	29

#	ARTICLE	IF	CITATIONS
91	Nannochloropsis oceanica, a novel natural source of rumen-protected eicosapentaenoic acid (EPA) for ruminants. Scientific Reports, 2018, 8, 10269.	3.3	20
92	Variability in nutrient composition and in vitro crude protein digestibility of 16 microalgae products. Journal of Animal Physiology and Animal Nutrition, 2018, 102, 1306-1319.	2.2	56
93	Lipids of Geochemical Interest in Microalgae. , 2018, , 1-34.		4
94	Characterization of plant carbon substrate utilization by Auxenochlorella protothecoides. Algal Research, 2018, 34, 37-48.	4.6	14
95	Pilot-scale production of poly- $\beta$ -hydroxybutyrate with the cyanobacterium Synechocystis sp. CCALA192 in a non-sterile tubular photobioreactor. Algal Research, 2018, 34, 116-125.	4.6	65
96	A giant type I polyketide synthase participates in zygospore maturation in <i>Chlamydomonas reinhardtii</i> . Plant Journal, 2018, 95, 268-281.	5.7	18
97	Marine Cryptophytes Are Great Sources of EPA and DHA. Marine Drugs, 2018, 16, 3.	4.6	88
98	The impact of oxygen exposure on long-chain alkyl diols and the long chain diol index (LDI) – a long-term incubation study. Organic Geochemistry, 2018, 124, 238-246.	1.8	12
99	Optimization of electroporation-based multiple pulses and further improvement of transformation efficiency using bacterial conditioned medium for Nannochloropsis salina. Journal of Applied Phycology, 2019, 31, 1153-1161.	2.8	15
100	Microalgae disruption techniques for product recovery: influence of cell wall composition. Journal of Applied Phycology, 2019, 31, 61-88.	2.8	124
101	New insights on the paleobiology, biostratigraphy and paleogeography of the pre-Sturtian microfossil index taxon Cerebrosphaera. Precambrian Research, 2019, 332, 105410.	2.7	11
102	Main Variables Affecting a Chemical-Enzymatic Method to Obtain Protein and Amino Acids from Resistant Microalgae. Journal of Chemistry, 2019, 2019, 1-10.	1.9	12
103	The potential of microalgae and their biopolymers as structuring ingredients in food: A review. Biotechnology Advances, 2019, 37, 107419.	11.7	142
104	Evaluating microalgal cell disruption upon ultra high pressure homogenization. Algal Research, 2019, 42, 101616.	4.6	40
105	Thermally coupled dark-anoxia incubation: A platform technology to induce auto-fermentation and thus cell-wall thinning in both nitrogen-replete and nitrogen-deplete Nannochloropsis slurries. Bioresource Technology, 2019, 290, 121769.	9.6	9
106	Microalgae of interest as food source: Biochemical composition and digestibility. Algal Research, 2019, 42, 101617.	4.6	200
107	Algal-fungal symbiosis leads to photosynthetic mycelium. ELife, 2019, 8, .	6.0	64
108	The inhibition effect of recycled Scenedesmus acuminatus culture media: Influence of growth phase, inhibitor identification and removal. Algal Research, 2019, 42, 101612.	4.6	30

#	ARTICLE	IF	CITATIONS
109	Apparent nutrient and fatty acid digestibilities of microbial raw materials for rainbow trout ( <i>Oncorhynchus mykiss</i> ) with comparison to conventional ingredients. <i>Algal Research</i> , 2019, 42, 101592.	4.6	20
110	Sensitivity of live microalgal aquaculture feed to singlet oxygen-based photodynamic therapy. <i>Journal of Applied Phycology</i> , 2019, 31, 3593-3606.	2.8	2
111	Recent advances in biological pretreatment of microalgae and lignocellulosic biomass for biofuel production. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 105, 105-128.	16.4	315
112	Production of lipids with <i>Microchloropsis salina</i> in open thin-layer cascade photobioreactors. <i>Bioresource Technology</i> , 2019, 289, 121682.	9.6	21
113	The effects of different extraction methods of lipids from <i>Nannochloropsis oceanica</i> on the contents of omega-3 fatty acids. <i>Algal Research</i> , 2019, 41, 101556.	4.6	47
114	High-efficiency nuclear transformation of the microalgae <i>Nannochloropsis oceanica</i> using Tn5 Transposome for the generation of altered lipid accumulation phenotypes. <i>Biotechnology for Biofuels</i> , 2019, 12, 134.	6.2	36
115	Host selection and stochastic effects influence bacterial community assembly on the microalgal phycosphere. <i>Algal Research</i> , 2019, 40, 101489.	4.6	58
116	Biosynthesis of Long Chain Alkyl Diols and Long Chain Alkenols in <i>Nannochloropsis</i> spp. ( <i>Eustigmatophyceae</i> ). <i>Plant and Cell Physiology</i> , 2019, 60, 1666-1682.	3.1	9
117	An online resource for marine fungi. <i>Fungal Diversity</i> , 2019, 96, 347-433.	12.3	133
118	Detection of new long-chain mid-chain keto-ol isomers from marine sediments by means of HPLC-APCI-MS and comparison with long-chain mid-chain diols from the same samples. <i>Organic Geochemistry</i> , 2019, 133, 92-102.	1.8	5
119	Occurrence of aliphatic biopolymer in chlorophyceae algae and cyanobacteria-rich phytoplankton. <i>Organic Geochemistry</i> , 2019, 135, 1-10.	1.8	9
120	Different Cell Disruption and Lipid Extraction Methods from Microalgae for Biodiesel Production. , 2019, , 265-292.		16
121	Evaluation, comparison of different solvent extraction, cell disruption methods and hydrothermal liquefaction of <i>Oedogonium</i> macroalgae for biofuel production. <i>Biotechnology Reports (Amsterdam)</i> , 2019, 10, 100491.	4.6	26
122	Eicosapentaenoic Acid Extraction from <i>Nannochloropsis gaditana</i> using Carbon Dioxide at Supercritical Conditions. <i>Marine Drugs</i> , 2019, 17, 132.	4.6	33
123	Towards sustainable microalgal biomass processing: anaerobic induction of autolytic cell-wall self-ingestion in lipid-rich <i>Nannochloropsis</i> slurries. <i>Green Chemistry</i> , 2019, 21, 2967-2982.	9.0	34
124	Defatted microalgae ( <i>Nannochloropsis</i> sp.) from biorefinery as a potential feed protein source to replace fishmeal in European sea bass diets. <i>Fish Physiology and Biochemistry</i> , 2019, 45, 1067-1081.	2.3	49
125	Cell wall disruption: An effective strategy to improve the nutritive quality of microalgae in African catfish ( <i>Clarias gariepinus</i> ). <i>Aquaculture Nutrition</i> , 2019, 25, 783-797.	2.7	39
126	Direct enzymatic ethanolysis of potential <i>Nannochloropsis</i> biomass for co-production of sustainable biodiesel and nutraceutical eicosapentaenoic acid. <i>Biotechnology for Biofuels</i> , 2019, 12, 78.	6.2	9



#	ARTICLE	IF	CITATIONS
127	Lipid extraction from wet <i>Nannochloropsis</i> biomass via enzyme-assisted three phase partitioning. <i>Bioresource Technology</i> , 2019, 284, 381-390.	9.6	40
128	Novel combination of feed enzymes to improve the degradation of <i>Chlorella vulgaris</i> recalcitrant cell wall. <i>Scientific Reports</i> , 2019, 9, 5382.	3.3	47
129	Disruption of microalgae with a novel continuous explosive decompression device. <i>Algal Research</i> , 2019, 39, 101376.	4.6	11
130	Microalgal Carotenoids: A Review of Production, Current Markets, Regulations, and Future Direction. <i>Marine Drugs</i> , 2019, 17, 640.	4.6	273
131	Variability of <i>in vitro</i> ruminal fermentation and nutritional value of cell-disrupted and nondisrupted microalgae for ruminants. <i>GCB Bioenergy</i> , 2019, 11, 345-359.	5.6	21
132	Ultrasound-assisted turbine bead milling for disintegration of <i>Nannochloropsis oculata</i> cells. <i>Journal of Applied Phycology</i> , 2019, 31, 1651-1659.	2.8	0
133	The Ionic Liquid Cholinium Arginate Is an Efficient Solvent for Extracting High-Value <i>Nannochloropsis</i> sp. Lipids. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 2538-2544.	6.7	30
134	Different microalgae species as a substitutive protein feed for soya bean meal in grass silage based dairy cow diets. <i>Animal Feed Science and Technology</i> , 2019, 247, 112-126.	2.2	79
135	Recovery of proteins from biomass grown in pig manure microalgae-based treatment plants by alkaline hydrolysis and acidic precipitation. <i>Bioresource Technology</i> , 2019, 273, 599-607.	9.6	35
136	Uptake of copper from acid mine drainage by the microalgae <i>Nannochloropsis oculata</i> . <i>Environmental Science and Pollution Research</i> , 2019, 26, 6311-6318.	5.3	33
137	Biogas from microalgae: an overview emphasizing pretreatment methods and their energy return on investment (EROI). <i>Biotechnology Letters</i> , 2019, 41, 193-201.	2.2	13
138	Simultaneous extraction and fractionation of omega-3 acylglycerols and glycolipids from wet microalgal biomass of <i>Nannochloropsis gaditana</i> using pressurized liquids. <i>Algal Research</i> , 2019, 37, 74-82.	4.6	47
139	A review of recent developments of pre-treatment technologies and hydrothermal liquefaction of microalgae for bio-crude oil production. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 101, 476-492.	16.4	106
140	Cell wall disruption increases bioavailability of <i>Nannochloropsis gaditana</i> nutrients for juvenile Nile tilapia ( <i>Oreochromis niloticus</i> ). <i>Aquaculture</i> , 2019, 499, 269-282.	3.5	86
141	Chemical characterization and nutritional evaluation of microalgal biomass from large-scale production: a comparative study of five species. <i>European Food Research and Technology</i> , 2020, 246, 323-332.	3.3	16
142	A two-enzyme constituted mixture to improve the degradation of <i>Arthrospira platensis</i> microalga cell wall for monogastric diets. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2020, 104, 310-321.	2.2	29
143	Structural insights reveal the effective <i>Spirulina platensis</i> cell wall dissociation methods for multi-output recovery. <i>Bioresource Technology</i> , 2020, 300, 122628.	9.6	22
144	Accumulation of long-chain fatty acids from <i>Nannochloropsis salina</i> enhanced by breaking microalgae cell wall under alkaline digestion. <i>Renewable Energy</i> , 2020, 149, 691-700.	8.9	28

#	ARTICLE	IF	CITATIONS
145	Cell disruption of <i>Nannochloropsis</i> sp. improves in vitro bioaccessibility of carotenoids and $\omega$ -3-LC-PUFA. <i>Journal of Functional Foods</i> , 2020, 65, 103770.	3.4	64
146	Transcriptomic and metabolomic adaptation of <i>Nannochloropsis gaditana</i> grown under different light regimes. <i>Algal Research</i> , 2020, 45, 101735.	4.6	34
147	Extraction of common microalgae by liquefied dimethyl ether: influence of species and pretreatment on oil yields and composition. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 141-158.	4.6	10
148	Effects of dietary <i>Nannochloropsis oculata</i> on growth performance, serum biochemical parameters, immune responses, and resistance against <i>Aeromonas veronii</i> challenge in Nile tilapia ( <i>Oreochromis</i> ) Tj ETQq1 1 0.784314 rgBT /Overl	3.4	14
149	Genetic Impairment of Cellulose Biosynthesis Increases Cell Wall Fragility and Improves Lipid Extractability from Oleaginous Alga <i>Nannochloropsis salina</i> . <i>Microorganisms</i> , 2020, 8, 1195.	3.6	12
150	Growth, total lipid, and omega-3 fatty acid production by <i>Nannochloropsis</i> spp. cultivated with raw plant substrate. <i>Algal Research</i> , 2020, 51, 102041.	4.6	7
152	Rotation of charged polymer particles for potential applications in micro-propulsion systems. <i>Journal of Materials Chemistry C</i> , 2020, 8, 16339-16348.	5.5	0
153	Evaluation of Microbial Load, Formation of Odorous Metabolites and Lipid Stability during Wet Preservation of <i>Nannochloropsis gaditana</i> Concentrates. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3419.	2.5	7
154	Lipid, biomass productivity and growth rates of freshwater picoplankton <i>Nannochloropsis limnetica</i> SAG 18.99 cultivated in variant nitrate concentrations. <i>Journal of Cellular Biotechnology</i> , 2020, , 1-10.	0.5	0
155	Microalgae proteins: production, separation, isolation, quantification, and application in food and feed. <i>Critical Reviews in Food Science and Nutrition</i> , 2021, 61, 1976-2002.	10.3	138
156	Composition and rheological properties of microalgae suspensions: Impact of ultrasound processing. <i>Algal Research</i> , 2020, 49, 101960.	4.6	17
157	Processing <i>Nannochloropsis gaditana</i> biomass for the extraction of high-value biocompounds. <i>Journal of Applied Phycology</i> , 2020, 32, 3113-3122.	2.8	5
158	Cultivation of <i>Nannochloropsis oculata</i> in saline oil & gas wastewater supplemented with anaerobic digestion effluent as nutrient source. <i>Algal Research</i> , 2020, 50, 101966.	4.6	15
159	Microalgae â€“ A green multi-product biorefinery for future industrial prospects. <i>Biocatalysis and Agricultural Biotechnology</i> , 2020, 25, 101580.	3.1	115
160	Sustainable biodiesel production from the green microalgae <i>Nannochloropsis</i> : Novel integrated processes from cultivation to enzyme-assisted extraction and ethanolysis of lipids. <i>Energy Conversion and Management</i> , 2020, 209, 112618.	9.2	45
161	Cultivation of Microalgae and Cyanobacteria: Effect of Operating Conditions on Growth and Biomass Composition. <i>Molecules</i> , 2020, 25, 2834.	3.8	43
162	Management of Enteric Methanogenesis in Ruminants by Algal-Derived Feed Additives. <i>Current Pollution Reports</i> , 2020, 6, 188-205.	6.6	35
163	Dewatering of algal suspension using microfiltration with cross flow in the presence of magnetite as a filter aid. <i>Biotechnology Progress</i> , 2020, 36, e2979.	2.6	4

#	ARTICLE	IF	CITATIONS
164	Critical evaluation of process parameters for direct biodiesel production from diverse feedstock. Renewable and Sustainable Energy Reviews, 2020, 123, 109762.	16.4	75
165	Approaches to improve utilization of <i>Nannochloropsis oceanica</i> in plant-based feeds for Atlantic salmon. Aquaculture, 2020, 522, 735122.	3.5	29
166	Photoprotection mechanisms of <i>Nannochloropsis oceanica</i> in response to light stress. Algal Research, 2020, 46, 101784.	4.6	31
167	Pretreatment of microalgal biomass for efficient biohydrogen production – Recent insights and future perspectives. Bioresource Technology, 2020, 302, 122871.	9.6	100
168	Industrial Use of Cell Wall Degrading Enzymes: The Fine Line Between Production Strategy and Economic Feasibility. Frontiers in Bioengineering and Biotechnology, 2020, 8, 356.	4.1	49
169	Microalgae of the genus <i>Nannochloropsis</i> : Chemical composition and functional implications for human nutrition. Journal of Functional Foods, 2020, 68, 103919.	3.4	88
170	Mechanisms of breakdown of <i>Haematococcus pluvialis</i> cell wall by ionic liquids, hydrochloric acid and multi-enzyme treatment. International Journal of Food Science and Technology, 2020, 55, 3182-3189.	2.7	21
171	Magnetic harvesting of marine algae <i>Nannochloropsis oceanica</i> . Separation Science and Technology, 2021, 56, 730-737.	2.5	12
172	Lutein and biodiesel sequential production from microalga using an environmentally friendly approach. Chemical Engineering Communications, 2021, 208, 965-975.	2.6	3
173	Omega-3 rich oils from microalgae: A chitosan mediated in situ transesterification method. Food Chemistry, 2021, 337, 127745.	8.2	5
174	Thermochemical conversion of apple seeds before and after supercritical CO <sub>2</sub> extraction: an assessment through evolved gas analysis. Biomass Conversion and Biorefinery, 2021, 11, 473-488.	4.6	7
175	Impact of abiotic factors on biodiesel production by microalgae. Fuel, 2021, 284, 118962.	6.4	45
176	Hypotonic osmotic shock treatment to enhance lipid and protein recoveries from concentrated saltwater <i>Nannochloropsis</i> slurries. Fuel, 2021, 287, 119442.	6.4	16
177	Optimization of high-throughput lipid screening of the microalga <i>Nannochloropsis oceanica</i> using BODIPY 505/515. Algal Research, 2021, 53, 102138.	4.6	9
178	Potential of reverse osmosis reject water as a growth medium for the production of algal metabolites – A state-of-the-art review. Journal of Water Process Engineering, 2021, 40, 101849.	5.6	5
179	Effects of dietary use of two lipid extracts from the microalga <i>Nannochloropsis gaditana</i> (Lubiñ, Tj ETQq1 1 0.784314 rgBT /Overlook Sparus aurata. Algal Research, 2021, 53, 102162.	4.6	11
180	Bioaccessibility and intestinal uptake of carotenoids from microalgae <i>Scenedesmus obliquus</i> . LWT - Food Science and Technology, 2021, 140, 110780.	5.2	22
181	Effect of the inclusion of microalgae on the physical properties of extruded feed for gilthead seabream ( <i>Sparus aurata</i> L.). Algal Research, 2021, 53, 102167.	4.6	14

#	ARTICLE	IF	CITATIONS
182	Food applications. , 2021, , 207-238.		1
183	Application of biosurfactants in the disruption of cell biomass. , 2021, , 317-328.		1
184	Edible bio-oil production from microalgae and application of nano-technology. , 2021, , 91-116.		2
185	Traditional and novel sources of long-chain omega-3 fatty acids. , 2021, , 3-23.		3
186	Photodegradation and Removal of Diclofenac by the Green Alga <i>Nannochloropsis oculata</i> . <i>Phyton</i> , 2021, 90, 1519-1533.	0.7	4
187	Emerging technologies for the clean recovery of antioxidants from microalgae. , 2021, , 173-205.		1
188	Conventional and novel approaches to extract food ingredients and nutraceuticals from microalgae. , 2021, , 73-96.		3
189	Opportunities and Challenges of Algal Protein Extraction and Production. , 2021, , 216-233.		3
190	Microalgae as structuring ingredients in food. , 2021, , 265-286.		0
191	The Potential of Cryptophyte Algae in Biomedical and Pharmaceutical Applications. <i>Frontiers in Pharmacology</i> , 2020, 11, 618836.	3.5	15
192	Optimization and Comparison of Three Cell Disruption Processes on Lipid Extraction from Microalgae. <i>Processes</i> , 2021, 9, 369.	2.8	18
193	Producing Energy-Rich Microalgae Biomass for Liquid Biofuels: Influence of Strain Selection and Culture Conditions. <i>Energies</i> , 2021, 14, 1246.	3.1	9
194	Cell wall and organelle modifications during nitrogen starvation in <i>Nannochloropsis oceanica</i> F&M-M24. <i>Journal of Applied Phycology</i> , 2021, 33, 2069-2080.	2.8	7
195	Evaluation of pretreatments for solubilisation of components and recovery of fermentable monosaccharides from microalgae biomass grown in piggery wastewater. <i>Chemosphere</i> , 2021, 268, 129330.	8.2	7
196	Methodological review of genetic engineering approaches for non-model algae. <i>Algal Research</i> , 2021, 54, 102221.	4.6	24
197	The cell wall of green microalgae and its role in heavy metal removal. <i>Physiologia Plantarum</i> , 2021, 173, 526-535.	5.2	103
198	The State-of-the-Art Production of Biofuel from Microalgae with Simultaneous Wastewater Treatment: Influence of Process Variables on Biofuel Yield and Production Cost. <i>Bioenergy Research</i> , 2022, 15, 62-76.	3.9	6
199	Organic Matter Type Defines the Composition of Active Microbial Communities Originating From Anoxic Baltic Sea Sediments. <i>Frontiers in Microbiology</i> , 2021, 12, 628301.	3.5	13

#	ARTICLE	IF	CITATIONS
200	Lipid recovery from <i>Nannochloropsis gaditana</i> using the wet pathway: Investigation of the operating parameters of bead milling and centrifugal extraction. <i>Algal Research</i> , 2021, 56, 102318.	4.6	8
201	Strategies for enhancing terpenoids accumulation in microalgae. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 4919-4930.	3.6	19
202	Nutritional Profiling and Preliminary Bioactivity Screening of Five Micro-Algae Strains Cultivated in Northwest Europe. <i>Foods</i> , 2021, 10, 1516.	4.3	16
203	Advanced mass balance characterization and fractionation of algal biomass composition. <i>Journal of Applied Phycology</i> , 2021, 33, 2695-2708.	2.8	10
204	Microalgae as main ingredient for fish feed: Non-fish meal and non-fish oil diet development for red sea bream, <i>Pagrus major</i> , by blending of microalgae <i>Nannochloropsis</i> , <i>Chlorella</i> and <i>Schizochytrium</i> . <i>Aquaculture Research</i> , 2021, 52, 6025-6036.	1.8	12
205	Is the toxicity of nanosized polymethylmethacrylate particles dependent on the exposure route and food items?. <i>Journal of Hazardous Materials</i> , 2021, 413, 125443.	12.4	9
206	Study on consolidated bioprocessing of pre-treated <i>Nannochloropsis gaditana</i> biomass into ethanol under optimal strategy. <i>Renewable Energy</i> , 2021, 172, 440-452.	8.9	24
207	Microalgae as Contributors to Produce Biopolymers. <i>Marine Drugs</i> , 2021, 19, 466.	4.6	53
208	Real-Time Monitoring of Microalgal Biomass in Pilot-Scale Photobioreactors Using Nephelometry. <i>Processes</i> , 2021, 9, 1530.	2.8	8
210	Bioethanol production from defatted biomass of <i>Nannochloropsis oculata</i> microalgae grown under mixotrophic conditions. <i>Environmental Science and Pollution Research</i> , 2022, 29, 2588-2597.	5.3	25
211	Production and bioaccessibility of <i>Emiliania huxleyi</i> biomass and bioactivity of its aqueous and ethanolic extracts. <i>Journal of Applied Phycology</i> , 2021, 33, 3719-3729.	2.8	5
212	Combination of Synergic Enzymes and Ultrasounds as an Effective Pretreatment Process to Break Microalgal Cell Wall and Enhance Algal Oil Extraction. <i>Foods</i> , 2021, 10, 1928.	4.3	12
213	Microalgal nanocellulose – opportunities for a circular bioeconomy. <i>Trends in Plant Science</i> , 2021, 26, 924-939.	8.8	25
214	Fatty Acids Derivatives From Eukaryotic Microalgae, Pathways and Potential Applications. <i>Frontiers in Microbiology</i> , 2021, 12, 718933.	3.5	26
215	Lichen 1. Solo fungal and algal partners. <i>Algal Research</i> , 2021, 58, 102334.	4.6	12
216	Pigment modulation in response to irradiance intensity in the fast-growing alga <i>Picochlorum celeri</i> . <i>Algal Research</i> , 2021, 58, 102370.	4.6	12
217	Chemical composition and apparent digestibility of a panel of dried microalgae and cyanobacteria biomasses in rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>Aquaculture</i> , 2021, 544, 737075.	3.5	19
218	Potential of microalgae as a sustainable feed ingredient for aquaculture. <i>Journal of Biotechnology</i> , 2021, 341, 1-20.	3.8	120

#	ARTICLE	IF	CITATIONS
219	Microwave-assisted pretreatment of wet microalgal biomass for recovery of biofuel precursors. <i>Fuel</i> , 2021, 305, 121610.	6.4	21
220	Ecotoxicological effects of DBPs on freshwater phytoplankton communities in co-culture systems. <i>Journal of Hazardous Materials</i> , 2022, 421, 126679.	12.4	21
221	Eustigmatophyceae. , 2016, , 1-39.		5
222	Lipids of Geochemical Interest in Microalgae. , 2020, , 159-191.		1
225	Multiple physiological response analyses aid the understanding of sensitivity variation between <i>Microcystis aeruginosa</i> and <i>Chlorella</i> sp. under paraquat exposures. <i>Environmental Sciences Europe</i> , 2019, 31, .	5.5	19
226	Towards sustainable and ocean-friendly aquafeeds: Evaluating a fish-free feed for rainbow trout ( <i>Oncorhynchus mykiss</i> ) using three marine microalgae species. <i>Elementa</i> , 2020, 8, .	3.2	28
227	De Novo Organelle Biogenesis in the Cyanobacterium TDX16 Released from the Green Alga <i>Haematococcus pluvialis</i> . <i>CellBio</i> , 2020, 09, 29-84.	1.3	4
228	Phylogeny and characterization of <i>Paraeustigmatos columelliferus</i> , gen. et sp. nov., a member of the Eustigmatophyceae that may represent a basal group within the Eustigmatales. <i>Fottea</i> , 2019, 19, 107-114.	0.9	7
229	Nutritional value of microalgae for ruminants and implications from microalgae production. <i>CAB Reviews: Perspectives in Agriculture, Veterinary Science, Nutrition and Natural Resources</i> , 0, , .	1.0	3
230	Nanotechnological approaches to disrupt the rigid cell walled microalgae grown in wastewater for value-added biocompounds: commercial applications, challenges, and breakthrough. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 13309-13334.	4.6	10
231	Effect of Hg <sup>2+</sup> on the microphysical and chemical properties of oil-producing <i>Nannochloropsis</i> sp.. <i>Algal Research</i> , 2021, 60, 102525.	4.6	4
232	Microalgae: From Bio-based Curiosity Towards a Bulk Feedstock. <i>RSC Green Chemistry</i> , 2018, , 289-302.	0.1	0
233	Integrated Biorefineries for Algal Biomolecules. <i>Grand Challenges in Biology and Biotechnology</i> , 2019, , 293-317.	2.4	0
234	What we really know about the composition and function of microalgae cell coverings? - an overview. <i>Acta Botanica Brasilica</i> , 2020, 34, 599-614.	0.8	7
235	Role of Substrate to Improve Biomass to Biofuel Production Technologies. <i>Clean Energy Production Technologies</i> , 2021, , 127-156.	0.5	1
236	Nutrients and Energy Digestibility of Microalgal Biomass for Fish Feed Applications. <i>Sustainability</i> , 2021, 13, 13211.	3.2	20
237	Algal biopolymers as sustainable resources for a net-zero carbon bioeconomy. <i>Bioresource Technology</i> , 2022, 344, 126397.	9.6	29
238	The effect of cell disruption on the extraction of oil and protein from concentrated microalgae slurries. <i>Bioresource Technology</i> , 2022, 346, 126597.	9.6	11

#	ARTICLE	IF	CITATIONS
239	A Novel Algicidal Bacterium, <i>Microbulbifer</i> sp. YX04, Triggered Oxidative Damage and Autophagic Cell Death in <i>Phaeocystis globosa</i> , Which Causes Harmful Algal Blooms. Microbiology Spectrum, 2022, 10, e0093421.	3.0	8
240	Algae-mediated antibiotic wastewater treatment: A critical review. Environmental Science and Ecotechnology, 2022, 9, 100145.	13.5	89
241	Ultrastructure of the foliose lichen <i>Myelochroa leucotyliza</i> and its solo fungal and algal ( <i>Trebouxia</i> ) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	4.6	3
242	Algal carbon assimilation by Senegalese sole ( <i>Solea senegalensis</i> ) from a compound diet including <sup>13</sup> C-enriched <i>Ulva ohnoi</i> meal. Aquaculture, 2022, 552, 737964.	3.5	0
243	Algal polysaccharides: current status and future prospects. Phytochemistry Reviews, 2023, 22, 1167-1196.	6.5	41
244	Application of genetic disruption of a <i>Nannochloropsis oceanica</i> cell wall synthesizing gene to n-3 HUFA enrichment of <i>Brachionus plicatilis</i> . Aquaculture, 2022, 552, 738022.	3.5	3
245	Magnetic Immobilization and Growth of <i>Nannochloropsis oceanica</i> and <i>Scenedasmus almeriensis</i> . Plants, 2022, 11, 72.	3.5	6
247	Effects of Structural and Compositional Changes of <i>Nannochloropsis oceanica</i> after Enzyme Treatment on EPA-Rich Lipids Extraction. Marine Drugs, 2022, 20, 160.	4.6	6
248	An overview of microalgae biomass as a sustainable aquaculture feed ingredient: food security and circular economy. Bioengineered, 2022, 13, 9521-9547.	3.2	42
249	Optimization of continuous TAG production by <i>Nannochloropsis gaditana</i> in solarâ€nitrogenâ€limited culture. Biotechnology and Bioengineering, 2022, , .	3.3	0
250	Marine Cellulases and their Biotechnological Significance from Industrial Perspectives. Current Pharmaceutical Design, 2022, 28, 3325-3336.	1.9	5
251	<i>Nannochloropsis</i> sp. Biorefinery: Recovery of Soluble Protein by Membrane Ultrafiltration/Diafiltration. Membranes, 2022, 12, 401.	3.0	2
252	Effects of Acid-fermented Food Wastewater in Microwave-based Direct Lipid Extraction from Wet Microalgae. Biotechnology and Bioprocess Engineering, 2021, 26, 1002-1011.	2.6	4
253	The Performance of Microalgae ( <i>Nannochloropsis</i> sp., <i>Tetraselmis</i> sp. and <i>Dunaliella</i> sp.) on White Shrimp ( <i>Litopenaeus vannamei</i> ) Wastewater Cultivation Media. Journal of Aquaculture and Fish Health, 2021, 11, 1-9.	0.3	0
254	Effects of Innovative Processing Methods on Microalgae Cell Wall: Prospects towards Digestibility of Protein-Rich Biomass. Biomass, 2022, 2, 80-102.	2.8	23
255	Response Surface Optimization of Enzyme Pretreatment Improves Yield of Ethanolâ€Extracted Lipids from <i>Nannochloropsis oceanica</i> . European Journal of Lipid Science and Technology, 2022, 124, .	1.5	2
256	Partial enzymatic cell wall disruption of <i>Oocystis</i> sp. for simultaneous cultivation and extraction. Separation and Purification Technology, 2022, 293, 121107.	7.9	7
258	Microalgal Proteins and Bioactives for Food, Feed, and Other Applications. Applied Sciences (Switzerland), 2022, 12, 4402.	2.5	35



#	ARTICLE	IF	CITATIONS
259	Can Pulsed Electric Fields Treated Algal Cells Be Used as Stationary Phase in Chromatography?. <i>Frontiers in Sustainable Food Systems</i> , 2022, 6, .	3.9	1
260	In Vivo Nutritional Assessment of the Microalga <i>Nannochloropsis gaditana</i> and Evaluation of the Antioxidant and Antiproliferative Capacity of Its Functional Extracts. <i>Marine Drugs</i> , 2022, 20, 318.	4.6	8
261	Comparative Proteomics Reveals Evidence of Enhanced EPA Trafficking in a Mutant Strain of <i>Nannochloropsis oculata</i> . <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, .	4.1	7
262	Partial Substitution of Fish Oil with Microalgae ( <i>Schizochytrium</i> sp.) Can Improve Growth Performance, Nonspecific Immunity and Disease Resistance in Rainbow Trout, <i>Oncorhynchus mykiss</i> . <i>Animals</i> , 2022, 12, 1220.	2.3	5
263	Evaluation of <i>Nannochloropsis gaditana</i> raw and hydrolysed biomass at low inclusion level as dietary functional additive for gilthead seabream ( <i>Sparus aurata</i> ) juveniles. <i>Aquaculture</i> , 2022, 556, 738288.	3.5	11
264	Unit operations applied to cell disruption of microalgae. , 2022, , 225-248.		4
265	Astaxanthin and eicosapentaenoic acid production by S4, a new mutant strain of <i>Nannochloropsis gaditana</i> . <i>Microbial Cell Factories</i> , 2022, 21, .	4.0	9
266	Fatty Acid Composition and Cytotoxic Activity of Lipid Extracts from <i>Nannochloropsis gaditana</i> Produced by Green Technologies. <i>Molecules</i> , 2022, 27, 3710.	3.8	7
267	Utilization of <i>Nannochloropsis oceanica</i> in plant-based feeds by Atlantic salmon ( <i>Salmo salar</i> ). <i>Aquaculture</i> , 2022, 561, 738651.	3.5	3
268	Promising Biomolecules with High Antioxidant Capacity Derived from Cryptophyte Algae Grown under Different Light Conditions. <i>Biology</i> , 2022, 11, 1112.	2.8	2
269	Review of Associated Health Benefits of Algal Supplementation in Cattle with Reference to Bovine Respiratory Disease Complex in Feedlot Systems. <i>Animals</i> , 2022, 12, 1943.	2.3	0
270	Sustainable Approaches to Microalgal Pre-Treatment Techniques for Biodiesel Production: A Review. <i>Sustainability</i> , 2022, 14, 9953.	3.2	11
271	Green bioprocessing and applications of microalgae-derived biopolymers as a renewable feedstock: Circular bioeconomy approach. <i>Environmental Technology and Innovation</i> , 2022, 28, 102872.	6.1	26
272	Impact of microalgal cell wall biology on downstream processing and nutrient removal for fuels and value-added products. <i>Biochemical Engineering Journal</i> , 2022, 187, 108642.	3.6	13
273	A critical review on employing algae as a feed for polycarbohydrate synthesis. <i>Carbohydrate Polymer Technologies and Applications</i> , 2022, 4, 100242.	2.6	2
274	Diclofenac removal by the microalgae species <i>Chlorella vulgaris</i> , <i>Nannochloropsis oculata</i> , <i>Scenedesmus acutus</i> , and <i>Scenedesmus obliquus</i> . <i>3 Biotech</i> , 2022, 12, .	2.2	3
275	Production of a viral surface protein in <i>Nannochloropsis oceanica</i> for fish vaccination against infectious pancreatic necrosis virus. <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 6535-6549.	3.6	2
276	Revalorization of Microalgae Biomass for Synergistic Interaction and Sustainable Applications: Bioplastic Generation. <i>Marine Drugs</i> , 2022, 20, 601.	4.6	3



#	ARTICLE	IF	CITATIONS
277	Microalgae and Cyanobacteria Biomass Pretreatment Methods: A Comparative Analysis of Chemical and Thermochemical Pretreatment Methods Aimed at Methane Production. <i>Fermentation</i> , 2022, 8, 497.	3.0	17
278	Progress on Conventional and Advanced Techniques of In Situ Transesterification of Microalgae Lipids for Biodiesel Production. <i>Energies</i> , 2022, 15, 7190.	3.1	9
279	Microalgae as Soft Permeable Particles. <i>Langmuir</i> , 2022, 38, 14044-14052.	3.5	3
281	Development of Lipid Nanoparticles Containing Omega-3-Rich Extract of Microalga <i>Nannochloropsis gaditana</i> . <i>Foods</i> , 2022, 11, 3749.	4.3	3
282	High-quality genome of <i>Diaphanosoma dubium</i> provides insights into molecular basis of its broad ecological adaptation. <i>IScience</i> , 2023, 26, 106006.	4.1	0
283	Algal Proteins. , 2023, , 173-194.		1
284	Opportunities and challenges for the production of fuels and chemicals: materials and processes for biorefineries. , 2023, , 551-620.		2
285	Low Temperature Scanning Electron Microscopy (LTSEM) Findings on the Ultrastructure of <i>Trebouxia lynnae</i> (Trebouxiophyceae, Lichenized Microalgae). <i>Diversity</i> , 2023, 15, 170.	1.7	3
286	Biological active metabolites from microalgae for healthcare and pharmaceutical industries: A comprehensive review. <i>Bioresource Technology</i> , 2023, 372, 128661.	9.6	16
287	Recent Advances in Supercritical CO <sub>2</sub> Extraction of Pigments, Lipids and Bioactive Compounds from Microalgae. <i>Molecules</i> , 2023, 28, 1410.	3.8	18
288	High-Cell-Density Yeast Oil Production with Diluted Substrates Imitating Microalgae Hydrolysate Using a Membrane Bioreactor. <i>Energies</i> , 2023, 16, 1757.	3.1	0
289	Protoplast Preparation for Algal Single-Cell Omics Sequencing. <i>Microorganisms</i> , 2023, 11, 538.	3.6	3
290	Cell walls. , 2023, , 41-64.		1
291	Effects of raw and hydrolysed <i>Nannochloropsis gaditana</i> biomass included at low level in finishing diets for gilthead seabream ( <i>Sparus aurata</i> ) on fillet quality and shelf life. <i>Journal of Applied Phycology</i> , 2023, 35, 1163-1181.	2.8	2
292	Enzyme-assisted disruption of oleaginous microalgae to increase the extraction of lipids: <i>Nannochloropsis</i> as a case study. <i>Current Opinion in Food Science</i> , 2023, 51, 101034.	8.0	2
293	A commercial blend of macroalgae and microalgae promotes digestibility, growth performance, and muscle nutritional value of European seabass ( <i>Dicentrarchus labrax</i> L.) juveniles. <i>Frontiers in Nutrition</i> , 0, 10, .	3.7	8
294	Lipid extraction from fresh <i>Nannochloropsis oceanica</i> using semi-hydrophobic eutectic solvents. <i>Algal Research</i> , 2023, 72, 103117.	4.6	3
295	Microalgae as Sustainable Source for Alternative Proteins and Functional Ingredients Promoting Gut and Liver Health. <i>Global Challenges</i> , 2023, 7, .	3.6	5

#	ARTICLE	IF	CITATIONS
296	A review of microalgal cell wall composition and degradation to enhance the recovery of biomolecules for biofuel production. <i>Biofuels</i> , 2023, 14, 979-997.	2.4	2
297	Optimisation of ultrasonication pretreatment on microalgae <i>Chlorella Vulgaris</i> & <i>Nannochloropsis Oculata</i> for lipid extraction in biodiesel production. <i>Energy</i> , 2023, 278, 128026.	8.8	6
298	Novel transformation strategies improve efficiency up to 10-fold in stramenopile algae. <i>Algal Research</i> , 2023, , 103165.	4.6	1
299	Protein Quality and Protein Digestibility of Vegetable Creams Reformulated with Microalgae Inclusion. <i>Foods</i> , 2023, 12, 2395.	4.3	2
300	Microalgae fractionation and pyrolysis of extracted microalgae biopolymers. <i>Journal of Analytical and Applied Pyrolysis</i> , 2023, 172, 106000.	5.5	2
301	Sustainable food and feed sources from microalgae: Food security and the circular bioeconomy. <i>Algal Research</i> , 2023, 74, 103185.	4.6	14
302	A panoramic view of technological landscape for bioethanol production from various generations of feedstocks. <i>Bioengineered</i> , 2023, 14, 81-112.	3.2	3
303	Strategies for Improved Production of Microalgae-Derived Carotenoids and Pigments. , 2023, , 661-693.		0
304	Inherent lack of CMFDA/FDA staining in certain algae and its implication for ballast water testing. <i>Marine Pollution Bulletin</i> , 2023, 194, 115312.	5.0	1
305	Potential of using microalgae to sequester carbon dioxide and processing to bioproducts. <i>Green Chemistry</i> , 2023, 25, 7934-7951.	9.0	0
307	Genome editing for biodiesel production in oleaginous microalga, <i>Nannochloropsis</i> species. <i>Gene and Genome Editing</i> , 2023, 6, 100027.	2.6	0
308	Morphological and cellular organization of green microalgae to cope with cold stress in subarctic environment. <i>Algal Research</i> , 2023, 75, 103254.	4.6	0
310	CO <sub>2</sub> -derived microalgae as a biomass filler to fabricate green composite. <i>Materials Today Sustainability</i> , 2023, 24, 100582.	4.1	0
311	Extrusion processing improves rainbow trout digestibility of microalgal <i>Nannochloropsis oculata</i> co-product biomass for more sustainable aquaculture diets. <i>Algal Research</i> , 2023, 75, 103295.	4.6	0
312	Microalgae as a Sustainable Source of Antioxidants in Animal Nutrition, Health and Livestock Development. <i>Antioxidants</i> , 2023, 12, 1882.	5.1	1
313	Integrating eco-friendly approaches to produce protein extracts and hydrolysates with antioxidant properties from <i>Microchloropsis gaditana</i> . <i>Algal Research</i> , 2024, 77, 103368.	4.6	0
315	Evaluation of the bioprotective potential of gastrointestinal digest fractions of <i>Arthrospira</i> sp. and <i>Nannochloropsis</i> sp. suspensions treated with high pressure homogenisation. , 2024, 2, 222-231.		0
317	Practical approach to the use of microalgae in aquaculture feeds. , 2024, , 209-233.		0

#	ARTICLE	IF	CITATIONS
318	Nannochloropsis as an Emerging Algal Chassis for Light-Driven Synthesis of Lipids and High-Value Products. Marine Drugs, 2024, 22, 54.	4.6	0
319	Microalgae as fishmeal alternatives in aquaculture: current status, existing problems, and possible solutions. Environmental Science and Pollution Research, 2024, 31, 16113-16130.	5.3	0
320	Algae from Secondary Endosymbiosis. , 2024, , 219-383.		0
321	Unwrapping the (glyco-)lipidome in the microalgae Microchloropsis gaditana: Effects of eco-friendly extraction methods. Algal Research, 2024, 79, 103480.	4.6	0
322	Effects of high-pressure homogenization and ultrasound on the composition, structure, and physicochemical properties of proteins extracted from Nannochloropsis Oceania. Ultrasonics Sonochemistry, 2024, 105, 106851.	8.2	0